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| TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i> | Application Number | 10/045,263 | |
| | Filing Date | November 7, 2001 | |
| | First Named Inventor | Xiao Ming Tang et al. | |
| | Group Art Unit | N/A | |
| | Examiner Name | N/A | |
| Total Number of Pages in This Submission | 3 | Attorney Docket Number | 414-23747-US |

| ENCLOSURES (check all that apply) | | |
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| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Assignment Papers (for an Application) | <input type="checkbox"/> After Allowance Communication to Group |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment / Reply | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Status Letter |
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| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application | Remarks | The commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 02-0429 (414-23747-US) |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|------------------------------------|
| Firm or Individual name | Kaushik P. Sriram, Reg. No. 43,150 |
| Signature | <i>KP Sriram</i> |
| Date | February 19, 2002 |

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| Typed or printed name | Beth Pearson-Naul |
| Signature | <i>Beth Pearson-Naul</i> |
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|---|---|-------------------------------|
| APPLICANT: Xiao Ming Tang et al. | § | Group Art Unit: N/A |
| | § | |
| SERIAL NO.: 10/045,263 | § | |
| | § | Examiner: N/A |
| FILED: November 7, 2001 | § | |
| | § | |
| TITLE: "Method and Apparatus for LWD Shear Velocity Measurement" | § | |
| | § | Atty Docket No.: 414-23747-US |

BOX DD
Commissioner of Patents and Trademarks
Washington, D.C. 20231

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In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the references listed on the attached Form PTO-1449 be considered by the Examiner and made of record.

This Information Disclosure Statement is not to be considered as a representation that a search has been made or that no other material information as defined under 37 C.F.R. § 1.56(a) exists.

The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 02-0429 (414-23747-US).

Respectfully submitted,

Dated: February 19, 2002



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By: 
Beth Pearson-Naul



INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

414-23747-US

SERIAL NO.

10/045,263

APPLICANT

Xiao Ming Tang et al.

FILING DATE

November 7, 2001

GROUP

N/A

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|----|--------------------|----------|---------------|-------|----------|-------------------------------|
| | AA | 4,932,003 | 06/05/90 | Winbow et al. | 367 | 75 | 05/19/82 |
| | AB | 5,027,331 | 06/25/91 | Winbow et al. | 367 | 75 | 03/20/90 |
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| | AE | 5,936,913 | 08/10/99 | Gill et al. | 367 | 25 | 07/24/97 |
| | AF | | | | | | |
| | AG | | | | | | |
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FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | PUBL. DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO | |
|--|----|--------------------|---------------|---------|-------|----------|-----------------------|--|
| | AH | | | | | | | |
| | AI | | | | | | | |
| | AJ | | | | | | | |
| | | | | | | | | |

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

| | | |
|--|----|--|
| | AK | S. T. Chen; <i>Shear-wave logging with quadrupole sources</i> , Geophysics, Vol. 54, No. 5, (May 1989), pp. 590-594, 14 Figures. |
| | AL | Andrew L. Kurkjian et al.; <i>Acoustic multipole sources in fluid-filled boreholes</i> , Geophysics, Vol. 51, No. 1, (January 1986), p. 148 163, 24 Figures, 3 Tables. |
| | AM | |

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant